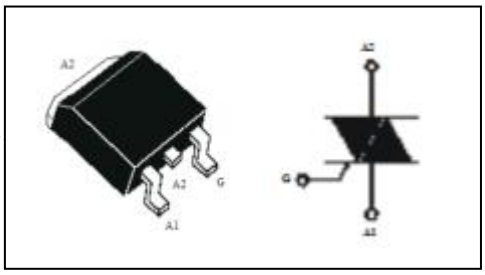
isc Triacs Q6016NH3



FEATURES

- With TO-263 non insulated package
- Suitables for general purpose AC switching,which can be used as an ON/OFF function in applications such as static relays heating regulation,induction motor starting circuits. Or for phase control operation in light dimmers, motor speed controllers etc.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	600	V
V_{RRM}	Repetitive peak off-state voltage	600	V
$I_{T(RMS)}$	RMS on-state current (full sine wave)	16	A
I_{TSM}	Non-repetitive peak on-state current @60HZ	200	A
T_j	Operating junction temperature	125	℃
T_{stg}	Storage temperature	-40~125	℃
$R_{th(j-c)}$	Thermal resistance, junction to case	4.6	℃/W

ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_R=V_{RRM}$, $V_R=V_{RRM}$, Tj=100℃	0.05 0.5	mA
I_{DRM}	Repetitive peak off-state current		$V_R=V_{RRM}$, $V_R=V_{RRM}$, Tj=100℃	0.05 0.5	mA
I_{GT}	Gate trigger current	I	V_D=12V	20	mA
		II		20	
		III		20	
I_H	Holding current		I_{GT}= 0.5A, Gate Open	35	mA
V_{GT}	Gate trigger voltage all quadrant		V_D=12V	1.5	V
V_{TM}	On-state voltage		I_T= 22.5A; t_p= 380 μ s	1.6	V

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